

Title (en)

METHOD FOR A BURNER AND A CORRESPONDING DEVICE

Title (de)

VERFAHREN FÜR EINEN BRENNER UND EINE ENTSPRECHENDE VORRICHTUNG

Title (fr)

PROCEDE POUR UN BRULEUR ET UN DISPOSITIF CORRESPONDANT

Publication

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Application

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Abstract (en)

[origin: US7666367B1] The invention relates to a device equipped with a burner for combusting a fuel/oxidant mixture inside a combustion chamber in which a material (3, 3', 3'', 3''') is provided that endures a maximum temperature. The inventive device also comprises one or more supply lines (25, 26) for the fuel as well as for the oxidant which are provided for supplying the same into the combustion chamber. The inventive device is characterized in that it is designed for carrying out a combustion with a combustion temperature of the fuel/oxidant mixture that exceeds the maximum temperature. The device is designed in such a way that at least one additional supply line (30) is provided via which an additional gas having, in particular, a low calorific value can be supplied to the combustion chamber. Said additional gas enables the temperature during combustion to be lowered to a value that is less than the maximum temperature.

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